

**1R - 427 - 131**

# **REPORTS**

**DATE:**

**8-30-2004**

EME L.H. B-31 EOL

1R0427-131

# FINAL REPORT

# RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

## BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	L. H. B-31 EOL	J	31	21S	36E	Lea	Length	Width	Depth
							Moved 32 ft North		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Dasco Land Corp. OTHER \_\_\_\_\_

Depth to Groundwater 200 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 12/11/2003 Date Completed 12/30/2003 OCD Witness No

Soil Excavated 37 cubic yards Excavation Length 10 Width 10 Depth 10 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

**FINAL ANALYTICAL RESULTS:** Sample Date 12/17/2003 Sample Depth 10 ft bgs

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

## CHLORIDE FIELD TESTS

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.0	<10.0	<10.0	944
BOTTOM COMP.	0.0	<10.0	<10.0	1540
BACKFILL	0.0	<10.0	<10.0	1090

LOCATION	DEPTH (ft)	ppm
Vertical	4	495
at jct.	5	599
	6	956
	7	1499
	8	1285
	9	974
	10	852
5 ft North	4	603
	5	1063
	6	1215
	7	1470
	8	1227
	9	917
	10	735
4-wall comp.	n/a	1169
bottom comp.	10	868
backfill comp.	n/a	744

General Description of Remedial Action: This end-of-line (EOL) box was located on the north side of an active production facility. The box was moved 35 ft north with a new pipeline. The old box site was delineated using a backhoe while PID screenings and chloride field tests were conducted at regular intervals, producing a 10 x 10 x 10-ft-deep excavation. Further excavation was not possible due to the proximity of active facilities at the battery. All PID readings were 0.0 ppm and lab results revealed non-detect TPH concentrations that meet NMOCD guidelines. A 4-point decline in field chloride concentrations was observed with depth within the excavation. The excavation was backfilled with soils that were blended on-site. In July, the soils settled and the excavation area was capped with about 1 ft of clean, imported soils. The disturbed surface is expected to return to productive capacity at a normal rate.

enclosures: chloride graph, photos, PID readings, lab results

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY  
KNOWLEDGE AND BELIEF.

DATE 8/30/2004

PRINTED NAME Kristin Farris Pope

SIGNATURE Kristin Farris Pope

TITLE Project Scientist

# EME L.H. B-31 EOL

unit 'J', sec. 31, T21S, R36E



undisturbed junction box

11/17/2003



old box site after lumber removed

12/2/2003



new plumbing for new box 32 ft North of old box

12/2/2003



completed new box 32 ft North

12/8/2003



delineation & excavation

12/12/2003



delineation & excavation

12/17/2003



backfilled excavation

12/30/2003

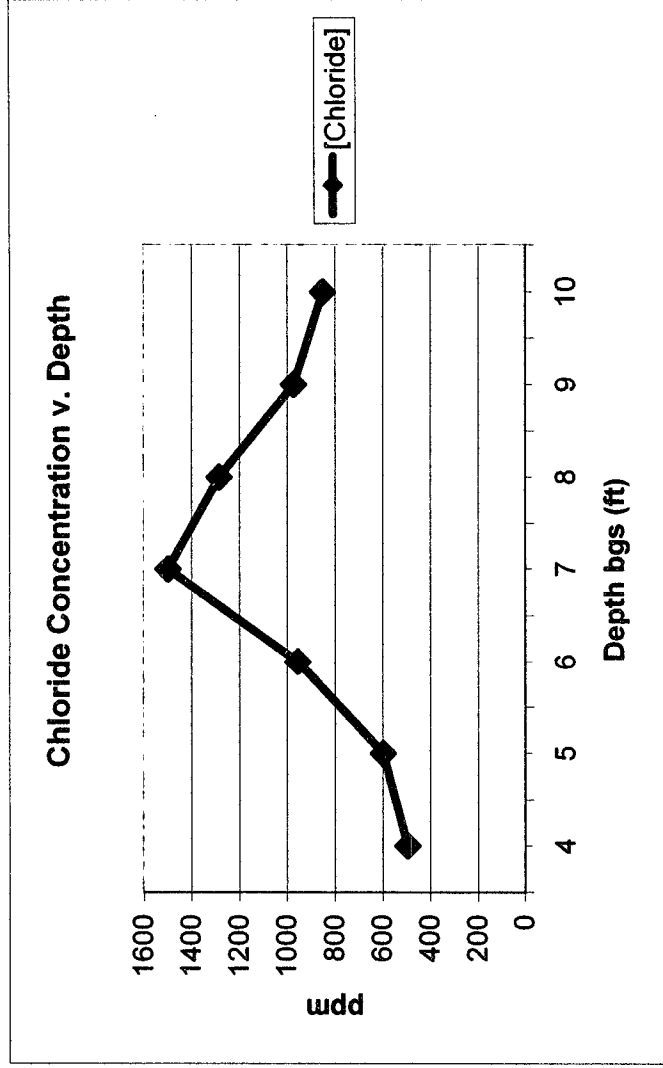
# EME B-31 EOL

Unit J, Sec. 31, T21S, R36E

Vertical Delineation at Source

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
4	495
5	599
6	956
7	1499
8	1285
9	974
10	852

Groundwater = 200 ft





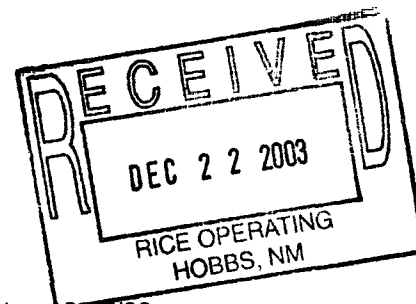


# ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: KRISTIN FARRIS  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO: (505) 397-1471



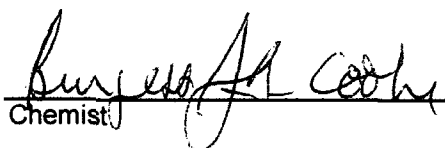
Receiving Date: 12/17/03  
Reporting Date: 12/19/03  
Project Number: NOT GIVEN  
Project Name: BURGANDY L.H. B-31 EOL  
Project Location: LEA CO., NM

Sampling Date: 12/17/03  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	Cl* (mg/Kg)
		12/17/03	12/17/03	12/18/03
H8258-1	BOTTOM 10' COMP.	<10.0	<10.0	1540
H8258-2	4 WALL COMP	<10.0	<10.0	944
H8258-3	REMEDIED BACKFILL	<10.0	<10.0	1090
Quality Control		744	810	940
True Value QC		800	800	1000
% Recovery		93.0	101	94.0
Relative Percent Difference		6.7	1.2	7.4

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

\*Analyses performed on 1:4 w:v aqueous extracts.

  
Chemist

  
Date

H8258 XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 86601  
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2440

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## ANALYSIS REQUEST

Company Name:	RICE Operating Company		State:	NM	Zip:	88240
Project Manager:	Kristin Fariss		Fax #:	397-1471		
Address:	122 W. Taylor		Project Owner:			
City:	Hatch,					
Phone #:	313-9174					
Project #:						
Project Name:	Burgandy L.A. B-31 EOL					
Project Location:	Las					
Inspector Name:	Glen (dick)					

Lab ID.	Sample ID.	Lab	MATRIX										PRESERV	SAMPLE RIG	DATE	TIME
			(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	ISOL	CRUDE OIL	SLUDGE	(OTHER)	ACID/BASE	X RICE / COO.				
H8055	Bottom 10' comp		✓	0	✓									12/12	11:15	
-2	4' well comp		✓	0				✓						12/12	11:25	
-3	Remediated Area fill		✓	0				1						12/12	11:38	

Term and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum. Items are subject to return, and all costs of collection, including attorney's fees.

**Sampler Relinquished:** \_\_\_\_\_

**Received By:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Time:** \_\_\_\_\_

**Phone Result:** \_\_\_\_\_

**By Whom:** \_\_\_\_\_

**REMARKS:** \_\_\_\_\_

Relinquished By: [Signature]

Received By: (Lab Staff) [Signature]

Date: 12/17

Time: 3:46

Sample Condition

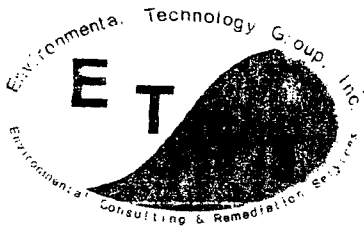
Cool	Intact
Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>
No <input type="checkbox"/>	No <input type="checkbox"/>

Checked By: (Lab Staff) [Signature]

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:





# ENVIRONMENTAL TECHNOLOGY GROUP, INC.

2540 WEST MARLAND

HOBBS, NEW MEXICO 88240

PHONE: (505) 397-4882 FAX: (505) 397-4701

## VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S

SERIAL NO: 103999

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

100 PPM

AIR

BALANCE

LOT NO: 67401

FILL DATE: 12-17-03

EXP. DATE: 1/1/04

ACCURACY: 100ppm ± 2%

METER READING

ACCURACY: 100.2

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
<u>EME</u>	<u>Burgandy</u> <u>L.N. D-31</u>	<u>J</u>	<u>31</u>	<u>21</u>	<u>36</u>

SAMPLE	PID RESULT	SAMPLE	PID RESULT
<u>Lateral 5' West</u>			
<u>10'</u>	<u>0.0</u>		
<u>Lateral 5' East</u>			
<u>10'</u>	<u>0.0</u>		
<u>Composite</u>		<u>Composite</u>	
<u>Sample 3</u>		<u>Sample</u>	
<u>5' North</u>	<u>0.0</u>	<u>Bottom 10'</u>	<u>0.0</u>
<u>5' South</u>	<u>0.0</u>	<u>4' well</u>	<u>0.0</u>
<u>5' West</u>	<u>0.0</u>	<u>Remediated</u>	
<u>5' East</u>	<u>0.0</u>	<u>Backfill</u>	<u>0.0</u>

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

Ray. Hall  
Signature

Field tech  
Title

12-17-03  
Date